APPENDIX B
MULTIUSE WATER AND SEWER FACILITIES

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TABLE & FIGURES

I. INTRODUCTION

The State requires that the County approve and inventory multiuse water supply and sewerage systems in the Water and Sewer Plan. This Plan defines multi-use systems as individual on-site systems, whether owned or operated by an individual or group of individuals under private or collective ownership, serving a group of individuals, and having a treatment capacity of 1,500 gallons or more per day (gpd). The County's minimum system capacity requirement is more stringent than the State's minimum 5,000 gpd requirement. This is intended to help identify where "smaller" multiuse systems may have cumulative impacts on groundwater resources. Figure B-F1 is a map showing the general distribution of multiuse systems in the county.

Multiuse water supply systems utilize a source of ground or surface water to provide potable water, and consist of wells, piping, pumps, tanks, and/or other facilities. Most often in Montgomery County, multi-use water systems use groundwater wells. Multiuse sewerage systems collect and dispose of sewage and consist of various devices for the treatment and discharge of sewage. These are usually large-capacity septic systems. For the purposes of this Plan, multiuse systems include the following:

- A single water supply and/or sewerage system serving:
  - a single property; or
  - two or more commonly-owned, contiguous properties with a common function (religious institution, nursing home, etc.); and
- More than one water supply and/or sewerage system serving a single property with a cumulative capacity of 1,500 or more gpd.

Table B-T1 compiles available information on the multiuse water supply and sewerage systems in the county. Note that in some cases, a site with a multiuse sewerage system uses community water service and *vice-versa*.

Figure B-F1: Multiuse Systems Locations in Montgomery County

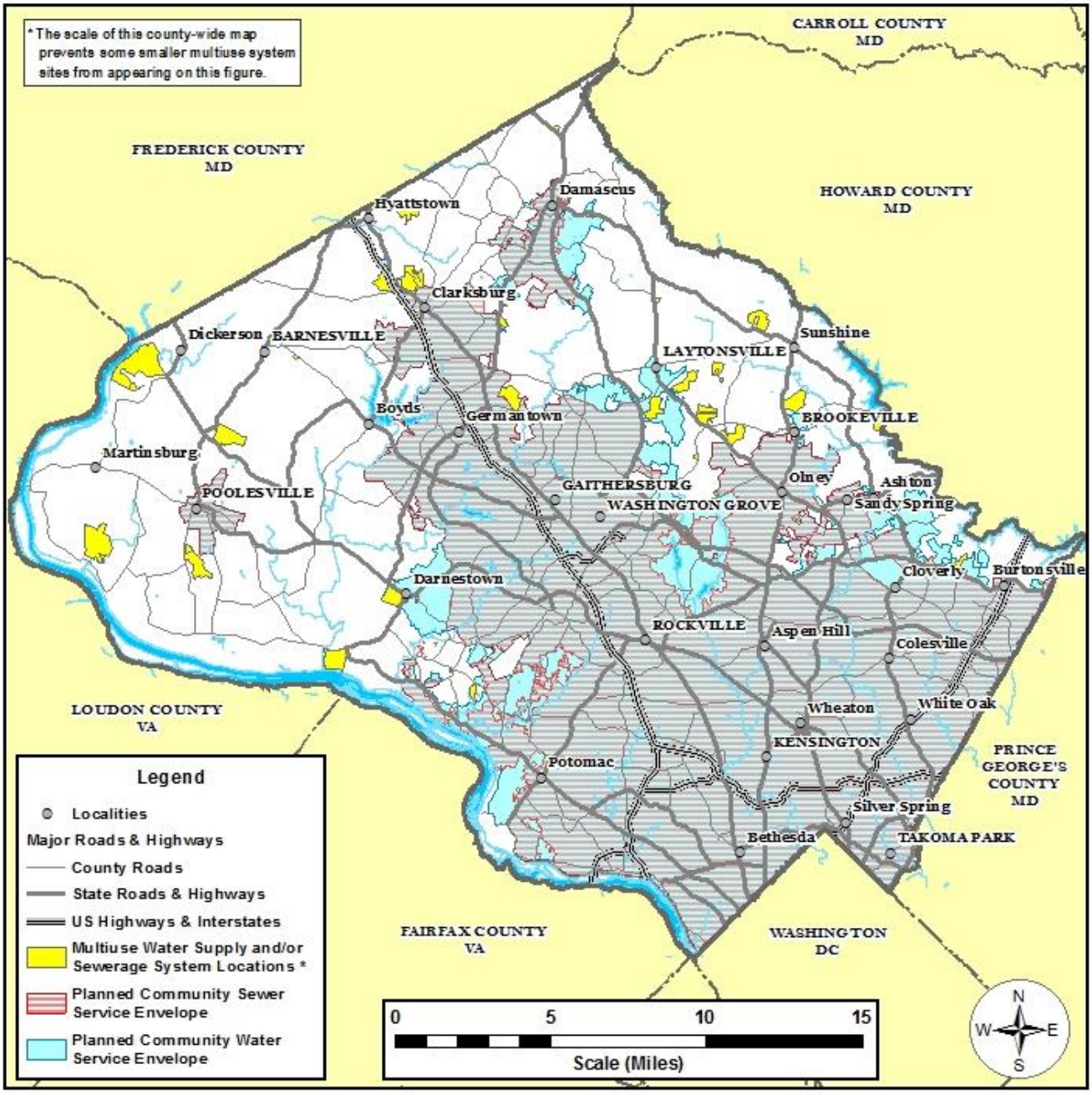

Table B-T1: Inventory of Existing and Approved Multiuse Water Supply and Sewerage Systems		
Facility	**Multiuse Water Supply System**	**Multiuse Sewerage System**
Facility Name Owner/Operator (If Different than Facility) Location Comments (Status/Expansion)	Water Source Treatment & Sludge/Backwash Disposal System Capacities (Rated, Ave., Max., Stor.) State Coordinates	Type of Treatment Design Capacity Point of Discharge & Permit No. State Coordinates
PUBLIC FACILITIES		
Darnestown Elem. School MCPS 15030 Turkey Foot Rd., Darnestown Sewer: 5000 gal. tank. 6 out of 8 original seepage pits in use. No reserve area established.	Served by WSSC community water system.	Treatment: 5000-gallon septic tank, soil absorption via seepage pits Design capacity: 4,500 GPD Ground discharge. Permit not required
Federal Regional Center U.S. Government - FEMA 5321 Riggs Rd., Mt. Zion No comments	Served by WSSC community water system.	Treatment: not specified on permit. Design capacity: ..... 10,000 GPD Surface water discharge: Hawlings River. Permit 93-DP-2542 Coordinates: N500,864 / E770,000
Laytonsville Elem. School MCPS 21401 Laytonsville Rd. (MD 108), Laytonsville Water: Converted to community water service, June 2015. Sewer: Original system consisted of one seepage pit. No other records for the system found. In 1988 a reserve area was established and reduced by 25% due to unpermitted grading by B.O.E. (2014-2015 school year: 429 students & 56 staff)	Served by WSSC community water system.	Treatment: Design capacity: unknown Ground discharge. Permit not required
Laytonsville Golf Course Mont. Co. Revenue Auth. 7130 Dorsey Rd., Laytonsville No comments	Source: groundwater	Treatment: septic tank, soil absorption via low-pressure dosing system Design capacity: ..... 4,900 GPD Ground discharge. Permit not required.
Little Bennett Regional Park – Campground M-NCPPC 23701 Frederick Rd. (MD 355) - Clarksburg Sewer: The park maintenance facility, formerly part of this system, has been switched over to community sewer service.	Served by WSSC community water system	Treatment: septic tank, soil absorption via drainfields Design capacity: ..... 7,000 GPD Ground discharge; permit not required. Coordinates: N718,000 / E518,000
Little Bennett Regional Park – Golf Course M-NCPPC 25900 Prescott Road, Clarksburg Sewer: Adjacent driving range at 26001 Prescott Rd. has flow of 500 gpd to septic system*	Source: Groundwater	Treatment: septic tank, soil absorption via drainfields Design capacity: ..... 5,000 GPD Ground discharge; permit not required.
Maryland National Guard State of Maryland Riggs Road - Mt. Zion No comments	Served by WSSC community water system.	Treatment: septic tank, with soil absorption via sand filter Design capacity: ..... 3,000 GPD Discharge: tributary to Hawlings River Coordinates: N500,614 / E771,311

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Monocacy Elem. School MCPS 18801 Barnesville Rd., Dickerson Sewer: No records of permitted system found. Notes in file indicate the system consists of tank(s) and seepage pits and there is no reserve area, when the system fails they will have to go a holding tank. 2014-2015 school year: 161 students & 22 staff	Source: Groundwater Treatment: Chlorination	Treatment: Septic tank, soil absorption via seepage pits Design capacity: unknown Ground discharge; no permit record.
NIH Animal Farm National Institutes of Health/USDHHS 22763 Elmer School Rd., Poolesville Water: Facility Study Proposed	Source: groundwater Treatment: Chlorination. Disposal: None Rated Capacity:.....151,000 GPD Average Production:.....42,000 GPD Maximum Peak Flow:.....59,000 GPD Storage Capacity:.....150,000 gal.* Coordinates: N472,000 / E665,000 **elevated storage*	Treatment: activated sludge Design capacity: .....10,000 GPD Surface water discharge: Broad Run. Permit no. 91-DP-2529 Coordinates: N471,066 / E664,523
Poolesville Golf Course Mont. Co. Revenue Auth. 16601 West Willard Rd. - Poolesville No comments	Source: groundwater	Treatment: Stabilization lagoon, soil absorption and evaporation via spray irrigation Design capacity: .....8,000 GPD Ground discharge; permit not required. Coordinates: N469,910 / E680,408
Resource Recovery Facility Mont. Co. DEP & Northeast Maryland Waste Disposal Authority 21204 Martinsburg Rd. - Dickerson No comments	Source: groundwater Treatment: Chlorination. Disposal: None. Rated Capacity:.....144,000 GPD Average Production:.....144,000 GPD Maximum Peak Flow:.....72,000 GPD Storage Capacity:.....15,000 gal. Coordinates: N498,300 / E670,050	Treatment: Package treatment plant, with neutralization tank, dual media filter Design capacity: .....122,400 GPD Surface water discharge: Potomac River via PEPCO discharge canal. Permit not required Coordinates: N498,300 / E670,050
PRIVATE FACILITIES: COMMERCIAL		
Blue Mash Golf Course 5821 Olney Laytonsville Rd. (MD 108), Laytonsville No comments	Served by WSSC community water system?	Treatment: spray irrigation (growing season only); ground discharge Design capacity: .....5,000 GPD Surface discharge permit issued by MDE
Bretton Woods Recreation Center International Monetary Fund 15700 River Road - Seneca No comments	Source: Ground water Rated capacity: .....1,500 GPD Average production: ..... Maximum flow: ..... Storage capacity:	Treatment: activated sludge Design capacity: .....15,000 GPD Surface water discharge: Unnamed Tributary to Potomac River. Permit no. 90-DP-2754 Coordinates: N452,200 / E706,500
Dickerson Generating Station GenOn Mid-Atlantic LLC (formerly Mirant Mid-Atlantic) Martinsburg Rd. -- Dickerson Facility formerly owned by PEPCO.	Source: Potomac River Treatment: Clarification, filtration, & chlorination. Disposal: Hauled out Rated capacity: .....56,000 GPD Average production: .....26,000 GPD Maximum flow: .....56,000 GPD Storage capacity: ..... none Coordinates: N520,000 / E668,000	Treatment: Activated sludge Design capacity: .....10,000 GPD Surface water discharge: Potomac River via discharge canal. Permit: MD002640 Coordinates: N501,800 / E669,992
Four Streams Golf Course Members Club at Four Streams, Inc. 19501 Darnestown Rd. (MD 28), Beallsville No comments.	Source: groundwater	Treatment: Septic tanks and soil absorption via subsurface fields with low pressure distribution. Design capacity: .....2,750 GPD Ground discharge; permit not required.

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Glenvilah Center Travilah Oak LLC 12940-12960 Travilah Rd., Potomac Shopping center Sewer: Existing systems have failed due to neglect; replacement under design	Source: groundwater	Treatment: Septic tanks with aerobic treatment, soil absorption via drainfields Design capacity: .....5,000 GPD Ground discharge; permit not required.
Johnson's Flower & Garden Center 5011 Olney Laytonsville Rd. (MD 108), Laytonsville Sewer: Expansion proposed	Source: groundwater.	Treatment: Septic tanks and soil absorption via drain fields Design capacity: .....2,000 GPD* Proposed:
Layton Village Shopping Center 6830 Laytonsville Rd. (MD108), Laytonsville 2-building strip shopping center	Source: groundwater.	Treatment: septic tanks, aerobic treatment unit, soil absorption via drain fields Design capacity: .....2,500 GPD Ground discharge; permit not required.
Laytonsville Veterinary Practice & Sundown Kennel private 5910 Sundown Rd. - Laytonsville Formerly the Sundown Road Veterinary Clinic.	Source: Groundwater Treatment: None. Disposal: None Rated capacity: .....1,500 GPD Average production: .....1,500 GPD Maximum flow: .....1,500 GPD Storage capacity: ..... none Coordinates: N507,000 / E763,000	Treatment: septic tank, soil absorption via drain fields Design capacity: .....1,500 GPD Ground discharge; permit not required. Coordinates: N507,000 / E763,000
Montgomery Country Club private 6601 Olney Laytonsville Rd. (MD 108), Laytonsville No comments	Source: groundwater Treatment: none. Disposal: none	Treatment: septic tanks, soil absorption via drain fields with a low-pressure dosing distribution system Design capacity: .....8.000 GPD Ground discharge; permit not required. Coordinates: N498,500 / E762,800
Ruppert Nurseries Same 23601 Laytonsville Rd. (MD 108), Laytonsville Proposed facility: Approved preliminary plan 1-05090, 1,900 GPD Formerly Yesteryear Farm Country Inn	Source Groundwater Treatment: none. Disposal: none Coordinates: N513,400/E759,300	
Seneca Highlands Harris Teeter Grocery Store Same 14101 Darnestown Rd. (MD 28), Darnestown Sewer: Addition of aerobic treatment and additional reserve areas allowed an expansion from 3,200 gpd to 4,000 gpd in 2005.	Served by WSSC community water system.	Treatment: Aerobic treatment unit, septic tank, soil absorption via deep drain fields Design capacity: .....4,000 GPD Ground discharge; permit not required. Coordinates: N464,000 / E717,000
Trotter's Glen Golf Course & Family Golf Center Same 16501 Batchellors Forest Rd., Olney	Multiuse facilities abandoned; golf course redeveloped for residential use using community water and sewer. *(Entry will be removed for 2020 update.)*	Multiuse facilities abandoned; golf course redeveloped for residential use using community water and sewer. *(Entry will be removed for 2020 update.)*

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PRIVATE FACILITIES: INSTITUTIONAL		
Armenian Youth Center of Greater Washington Same Darnestown Rd. (MD 28), Darnestown Water: Water category W-3. Sewer: Proposed facility for 6,500 GPD; MDE groundwater discharge permit required	Will be served by WSSC community water system.	*Pending facility.*
The Barnesville School Same Barnesville Road & Peach Tree Road, Barnesville Water: Expansion to 4,200 GPD is proposed Sewer: Expansion to 0.0042 mgd proposed for school expansion to 280 staff/students	Source Groundwater Treatment: none. Disposal: none Rated capacity: ..... 4,200 GPD Average production: ..... Maximum flow: ..... Storage capacity: ..... Coordinates: N504,000 / E698,000	Treatment: septic tank, soil absorption via drain fields Design capacity: ..... 3,100 GPD Ground discharge; permit not required. Coordinates: N503,500 / E700,500
Brooke Grove Nursing Home -- Brooke Grove Foundation 18430 Brooke Grove Rd. – Olney	Multiuse systems abandoned; nursing home closed in 2000. *(Entry will be removed for 2019 update.)*	Multiuse systems abandoned; nursing home closed in 2000. *(Entry will be removed for 2019 update.)*
Camp Bennett Central Union Mission 20501 Georgia Ave. (MD 97), Brookeville Church camp	Source: groundwater	Treatment: septic tanks and soil absorption via drain fields. Design capacity: ..... 4,640 GPD Ground discharge; permit not required.
Camp Brighton Woods Girl Scout Council of the National Capital 120 Brighton Dam Rd., Brighton Sewer: Lodge #3 approval pending reserve area establishment.	Source: groundwater	Treatment: Design capacity: ..... 2,980 GDP total Lodge # 1- 2000 gpd, lodge #2 – 980 gpd, Ground discharge; permit not required.
Camp Friendship/Camp Sonshine -- Carol Jean Cancer Foundation 16819 Damascus Road (MD 108), Sunshine No comments	Source Groundwater Treatment: none. Disposal: none Rated capacity: ..... 10,000 GPD Average production: ..... Maximum flow: ..... Storage capacity: ..... Coordinates: N510,000/E770,600	Treatment: septic tank, soil absorption via drain fields Design capacity: ..... 10,000 GPD Ground discharge; permit not required. Coordinates: N510,000 / E770,600
Cedar Ridge Community Church 2430 Spencerville Rd. (MD 198), Spencerville Sewer: Interim septic system; site approved for community sewer service, category S-3.	Served by WSSC community water system.	Treatment: Septic tank, soil absorption via low pressure dose trenches Design capacity: ..... 2,800 GPD Ground discharge; permit not required.
Cedarbrook Community Church same 23700 Stringtown Rd., Clarksburg	Multiuse systems abandoned; church connected to WSSC community service. *(Entry will be removed for 2020 update.)*	Multiuse systems abandoned; church connected to WSSC community service. *(Entry will be removed for 2020 update.)*
First Baptist Church of Damascus 8850 Damascus Rd. (MD 650), Damascus Sewer: Preliminary plan approved for proposed church expansion. 3080 gpd, low pressure dose trench system to be installed	Church served by WSSC community water system. (Parsonage served by existing, non-multiuse well.)	

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Emmanuel Seventh Day Adventist Church 18800 New Hampshire Ave (MD 650), Brinklow Formerly Brinklow Seventh Day Adventist Church.	Source: groundwater	Treatment: septic tank, soil absorption via drain fields Design capacity: .....4,000 GPD Ground discharge; permit not required.
Garden of Remembrance Memorial Park Garden of Remembrance Memorial Park., Inc. 14321 Comus Rd., Clarksburg Proposed facility	Source Groundwater Treatment: none. Disposal: none Rated capacity: .....1,500 GPD Average production ..... : Maximum flow: ..... Storage capacity: ..... Coordinates: N516,100/E713,000	Treatment: septic tank, soil absorption via drain fields Design capacity: .....1,500 GPD Ground discharge; permit not required. Coordinates: N515,100 / E714,300
Glenstone II Museum Glenstone Foundation (private) 12100 Glen Rd., Potomac Proposed system: primarily cooling tower water supply; also drinking water supply	Source Groundwater Treatment: filtration, softening, chlorination, pH control. Disposal: backwash to public sewer Rated capacity: .....58,000 GPD Average production: .....9,500 GPD Maximum flow: .....19.000 GPD Storage capacity: .....6,000 gal. Coordinates: N506,100 / E1,241,000	Served by WSSC community sewer system
Hampshire View Baptist Church 360 Ednor Rd., Norwood Formerly Wheaton Independent Baptist Church Water: Interim facility; community water service dependent on main extension to Hampshire Greens site	Source Groundwater Treatment: none. Disposal: none Rated capacity: ..... Average production: ..... Maximum flow: ..... Storage capacity:	*Served by WSSC community sewerage system.*
Kingdom Hall of Jehovah's Witnesses 16825 New Hampshire Ave. (MD 650), Cloverl.	Served by WSSC community water system.	Treatment: septic tank and soil absorption via drain fields Design capacity: .....2,000 GPD Ground discharge; permit not required
John Wesley United Methodist Church Same 22420 Frederick Rd. (MD 355), Clarksburg	Served by WSSC community water system. Had a well in 1996 – not sure if they have hooked to public water since then.	Treatment: septic tank and soil absorption via drain fields Design capacity: .....2,000 GPD Ground discharge; permit not required.
Montgomery Evangelical Free Church 19100 Muncaster Rd., Redland	Source Groundwater Treatment: none. Disposal: none Rated capacity: ..... Average production: ..... Maximum flow: ..... Storage capacity:	Treatment: septic tank and soil absorption via drain fields Design capacity: .....2,250 GPD Ground discharge; permit not required.
Montgomery United Methodist Church 28325 Kemptown Rd. (MD 80), Damascus	Served by WSSC community water system.	Treatment: septic tank and soil absorption via drain fields Design capacity: .....1,500 GPD Ground discharge; permit not required.
New Hope Presbyterian Church 17930 Bowie Mill Rd., Olney Proposed facility	Source Groundwater Treatment: none. Disposal: none Rated capacity: ..... Average production: ..... Maximum flow: ..... Storage capacity: ..... Coordinates: N480,000 / E777,000	Treatment: septic tank, soil absorption via low-pressure dosing system Design capacity: .....2,100 GPD Ground discharge; permit not required. Coordinates: N480,000 / E777,000

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Potomac Valley Assembly of God 22901 Ridge Rd. (MD 27), Clarksburg No comments.	Served by WSSC community water system.	Treatment: septic tank, soil absorption via drain fields Design capacity: .....3,500 GPD Ground discharge; permit not required.
Seneca Academy 15601 Germantown Rd. (MD 118), Darnestown Formerly The Circle School Proposed Facility	Source Groundwater Treatment: none. Disposal: none Rated capacity: .....3,750 GPD Average production: ..... Maximum flow: .....3,750 GPD Storage capacity: ..... none Coordinates: N465,700 / E714,700	Treatment: anaerobic treatment tanks, soil absorption via drain fields Design capacity: .....3,750 GPD Ground discharge; permit not required. Coordinates: N465,200 / E715,200
Spencerville Seventh Day Adventist Church same 16325 New Hampshire Ave. (MD 650), Cloverly	Served by WSSC community water system.	Treatment: 6000-gallon septic tank, soil absorption via drain fields Design capacity: .....3.000 GPD Ground discharge; permit not required.
Tri-County Baptist Church Damascus Rd. (MD 108), Damascus Proposed facility	Source Groundwater Treatment: none. Disposal: none Rated capacity: .....4,500 GPD Average production: ..... Maximum flow: .....4,500 GPD Storage capacity: ..... none Coordinates: N525,500 / E754,700	Treatment: septic tank, soil absorption via drain fields with dosing/resting system Design capacity: .....4,500 GPD Ground discharge; permit not required. Coordinates: N525,100 / E755,300
Upper Seneca Baptist Church 23401 Davis Mill Rd., Cedar Grove Our records show that the new address of this property is 23425 Davis Mill Road	Served by WSSC community water system.	Treatment: 2500-gallon septic tank and soil absorption via drain fields Design capacity: .....1,500 GPD Ground discharge; permit not required.
Visitation Catholic Church & Mary of Nazareth Catholic School Catholic Archdiocese of Washington 14139 Seneca Rd. (MD 112), Darnestown Formerly The Darnestown School Sewer: Construction of a church on the site has used up remaining allowed septic capacity	Served by WSSC community water system.	Treatment: septic tank, soil absorption via drain fields Design capacity: .....20,000 GPD Ground discharge; permit not required. Coordinates: N462,000 / E716,000
Westbrook and Hickory Grove Group Homes Brooke Grove Foundation Slade School Rd., Sandy Spring Water & Sewer: Separate systems serving several structures on one site; a portion of the overall Brooke Grove Foundation site has access to and is served by community water and sewer service. Future connection to community systems is planned.	Source Groundwater Treatment: chlorination, pH control. Disposal: none Rated capacity: .....10,500 GPD Average production: ..... Maximum flow: ..... Storage capacity: ..... none Coordinates: N480,000 / E780,900	Treatment: septic tank, leach fields Design capacity: .....10,500 GPD Ground discharge; permit not required. Coordinates: N480,150 / E780,900